

# 10th Class 2020

Chemistry	Group-I	Paper-II
Time: 15 Minutes	(Objective Type)	Marks: 12

**Note:** Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

- 1-1- **Just above the earth's surface is:**  
(a) Mesosphere (b) Stratosphere  
(c) Thermosphere (d) Troposphere ✓
- 2- **The reduction of alkyl halides takes place in the presence of:**  
(a) Zn / HCl ✓ (b) Na / HCl  
(c) Mg / HCl (d) Cu / HCl
- 3- **When  $\text{NaHCO}_3$  is heated, it forms:**  
(a)  $\text{CO}_2$  ✓ (b)  $\text{Ca(OH)}_2$   
(c)  $\text{CaCO}_3$  (d)  $\text{CaO}$
- 4- **For a reaction between  $\text{PCl}_3$  and  $\text{Cl}_2$  to form  $\text{PCl}_5$ , the units of  $K_c$  are:**  
(a)  $\text{mol dm}^{-3}$  ✓ (b)  $\text{mol}^{-1} \text{dm}^{-3}$   
(c)  $\text{mol}^{-1} \text{dm}^3$  (d)  $\text{mol dm}^3$
- 5- **Temporary hardness is because of:**  
(a)  $\text{Ca(HCO}_3)_2$  ✓ (b)  $\text{CaCO}_3$   
(c)  $\text{MgCO}_3$  (d)  $\text{MgSO}_4$
- 6- **Reactions which have comparable amounts of reactants and products at equilibrium state have:**  
(a) Very small  $K_c$  value  
(b) Very large  $K_c$  value  
(c) Moderate  $K_c$  value ✓  
(d) None of these

- 7- Specific heat capacity of water is:  
(a)  $4.2 \text{ KJ g}^{-1} \text{ K}^{-1}$  (b)  $4.2 \text{ J g}^{-1} \text{ K}^{-1}$  ✓  
(c)  $2.4 \text{ KJ g}^{-1} \text{ K}^{-1}$  (d)  $2.4 \text{ J g}^{-1} \text{ K}^{-1}$
- 8- You want to dry a gas, which one of the following salt you will use?  
(a)  $\text{CaCl}_2$  (b)  $\text{NaCl}$   
(c)  $\text{CaO}$  ✓ (d)  $\text{Na}_2\text{SiO}_3$
- 9- A reaction between an acid and base produces:  
(a) Salt and water ✓ (b) Salt and gas  
(c) Salt and acid (d) Salt and base
- 10- Which one of the following is tasteless?  
(a) Starch ✓ (b) Glucose  
(c) Fructose (d) Sucrose
- 11- The ability of carbon atoms to form chains is called:  
(a) Isomerism (b) Catenation ✓  
(c) Resonance (d) Condensation
- 12- Photosynthesis process produces:  
(a) Starch (b) Cellulose  
(c) Sucrose (d) Glucose ✓